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United States Patent

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[54] **FRICITION MATERIAL DESIGNED FOR FITTING TO A DEVICE EMPLOYING FRICTION IN A LIQUID MEDIUM, AND THE METHOD OF PRODUCING SUCH A FRICTION MATERIAL AND THE DEVICE TO WHICH IT IS FITTED**

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[58] Field of Search **442/60, 59, 374, 442/375, 376, 380, 388, 391, 392; 428/66 2, 523/149, 152, 153, 155, 157, 158, 159, 2/107, 156/184, 242, 250, 305, 227; 264/258, 259, 297.4, 188/251 A, 192/107 M**

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[57] ABSTRACT

A friction material for a liquid medium consists of a fibre mat impregnated with a thermosetting resin, the fibres having a length of at least 12 mm. The method of producing such a material includes the steps of providing a mixture of fibres, carding the mixture to form a card web, lapping the card web, needling the lapped card web to form a needled mat and impregnating the needled mat with a thermosetting resin.

6 Claims, 4 Drawing Sheets